SEQUENCE LISTING

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Lys Glu Glu Glu Lys Glu Gln Ser Val Leu Lys Ile Lys Glu Glu His
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Lys Ala Gln Pro Thr Gln Trp Phe Pro Phe Ser Gly Ile Thr Glu Leu
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Val Asn Asn Val Leu Gln Pro Gln Gln Lys Gln Pro Asn Glu Lys Glu
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Pro Gln Thr Lys Leu His Gln Gln Phe Glu Met Tyr Lys Glu Gln Val
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Lys Lys Met Gly Glu Glu Ser Gln Gln Gln Glu Gln Lys Gly Asp
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Ala Pro Thr Cys Gly Ile Cys His Lys Thr Lys Phe Ala Asp Gly Cys
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Gly His Asn Cys Ser Tyr Cys Gln Thr Lys Phe Cys Ala Arg Cys Gly
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Cys Arg Lys Gln Gln Glu Ile Leu Thr Lys Ser Gly Ala Trp Phe Tyr
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Asn Ser Gly Ser Asn Thr Leu Gln Gln Pro Asp Gln Lys Val Pro Arg
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Glu Gln Pro Gln Phe Gln Gly Ala Pro Gly Asp Leu Ser Val Pro Ala
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Val Glu Lys Gly Arg Ala His Gly Leu Thr Arg Gln Asp Thr Ile Lys
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Tyr Gln Ala Arg Tyr Arg Ser Asp Pro Asn Leu Ala Arg Tyr Pro Val
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Arg Ala Arg His Glu Arg Arg His Ser Asp Val Ser Leu Ala Asn Ala
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Pro Gln Arg Thr Ser Asn His Ser Pro Pro Thr Pro Arg Arg Ser Pro
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Ile Pro Leu Asp Arg Pro Asp Met Arg Arg Ala Asp Ser Leu Arg Lys
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Gln His His Leu Asp Pro Ser Ser Ala Val Arg Lys Thr Lys Arg Glu
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Lys Met Glu Thr Met Leu Arg Asn Asp Ser Leu Ser Ser Asp Gln Ser
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Glu Ser Val Arg Pro Pro Pro Pro Arg Pro His Lys Ser Lys Lys Gly
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Gly Lys Met Arg Gln Val Ser Leu Ser Ser Ser Glu Glu Glu Leu Ala
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Ser Thr Pro Glu Tyr Thr Ser Cys Asp Asp Val Glu Leu Glu Ser Glu
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Ser Val Ser Glu Lys Gly Asp Ser Gln Lys Gly Lys Arg Lys Thr Ser
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Glu Gln Gly Val Leu Ser Asp Ser Asn Thr Arg Ser Glu Arg Gln Lys
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Lys Arg Met Tyr Tyr Gly Gly His Ser Leu Glu Glu Asp Leu Glu Trp
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Ser Glu Pro Gln Ile Lys Asp Ser Gly Val Asp Thr Cys Ser Ser Thr
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Thr Leu Asn Glu Glu His Ser His Ser Asp Lys His Pro Val Thr Trp
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Gln Pro Ser Lys Asp Gly Asp Arg Leu Ile Gly Arg Ile Leu Leu Asn
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Lys Arg Leu Lys Asp Gly Ser Val Pro Arg Asp Ser Gly Ala Met Leu
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            725             730             735

Gln Gly Ala Thr Phe Glu Glu Val Tyr Asn Ile Ile Leu Glu Ser Lys
            740             745             750

Pro Glu Pro Gln Val Glu Leu Val Val Ser Arg Pro Ile Gly Asp Ile
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Pro Arg Ile Pro Asp Ser Thr His Ala Gln Leu Glu Ser Ser Ser Ser
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Ser Phe Glu Ser Gln Lys Met Asp Arg Pro Ser Ile Ser Val Thr Ser
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Pro Met Ser Pro Gly Met Leu Arg Asp Val Pro Gln Phe Leu Ser Gly
            805             810             815

Gln Leu Ser Ile Lys Leu Trp Phe Asp Lys Val Gly His Gln Leu Ile
            820             825             830

Val Thr Ile Leu Gly Ala Lys Asp Leu Pro Ser Arg Glu Asp Gly Arg
        835             840             845

Pro Arg Asn Pro Tyr Val Lys Ile Tyr Phe Leu Pro Asp Arg Ser Asp
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Lys Asn Lys Arg Arg Thr Lys Thr Val Lys Lys Thr Leu Glu Pro Lys
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Trp Asn Gln Thr Phe Ile Tyr Ser Pro Val His Arg Arg Glu Phe Arg
            885             890             895

Glu Arg Met Leu Glu Ile Thr Leu Trp Asp Gln Ala Arg Val Arg Glu
            900             905             910

Glu Glu Ser Glu Phe Leu Gly Glu Ile Leu Ile Glu Leu Glu Thr Ala
            915             920             925

Leu Leu Asp Asp Glu Pro His Trp Tyr Lys Leu Gln Thr His Asp Val
    930             935             940

Ser Ser Leu Pro Leu Pro Arg Pro Ser Pro Tyr Leu Pro Arg Arg Gln
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Leu His Gly Glu Ser Pro Thr Arg Arg Leu Gln Arg Ser Lys Arg Ile
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Arg Ser  His Pro Arg Thr Gly  Ser Val Gln Thr Ser  Pro Ser Ser
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Thr Pro  Gly Thr Gly Arg Arg  Gly Arg Gln Leu Pro  Gln Leu Pro
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Pro Lys  Gly Thr Leu Glu Arg  Ser Ala Met Asp Ile  Glu Glu Arg
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Asp Pro  Arg Leu Glu Gln Asp  Tyr His Ser Lys Tyr  Arg Ser Gly
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Trp Asp  Pro His Arg Gly Ala  Asp Thr Val Ser Thr  Lys Ser Ser
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Page 5

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Gln Asn  Arg Gln Met Gly Val  Ser Gly Lys Asn Leu  Thr Lys Ser
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Thr Ser  Ile Ser Gly Asp Met  Cys Ser Leu Glu Lys  Asn Asp Gly
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Ser Gln  Ser Asp Thr Ala Val  Gly Ala Leu Gly Thr  Ser Gly Lys
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Lys Arg  Arg Ser Ser Ile Gly  Ala Lys Met Val Ala  Ile Val Gly
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Phe Ser  Asp Phe Leu Asp Gly  Leu Gly Pro Ala Gln  Leu Val Gly
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Arg Gln  Thr Leu Ala Thr Pro  Ala Met Gly Asp Ile  Gln Val Gly
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Met Met  Asp Lys Lys Gly Gln  Leu Glu Val Glu Ile  Ile Arg Ala
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Arg Gly  Leu Val Val Lys Pro  Gly Ser Lys Thr Leu  Pro Ala Pro
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Tyr Val  Lys Val Tyr Leu Leu  Asp Asn Gly Val Cys  Ile Ala Lys
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